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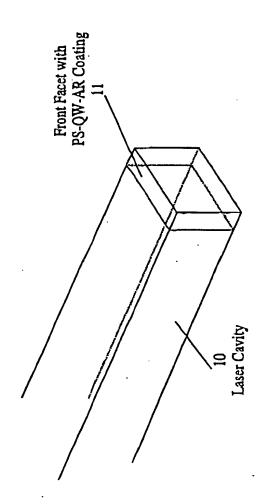
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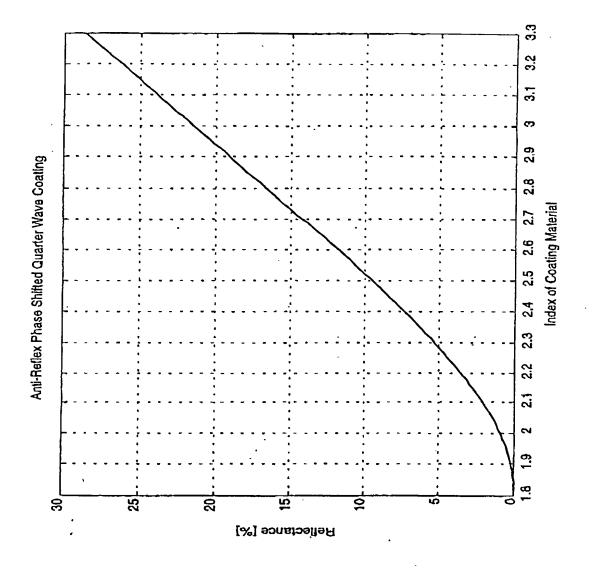
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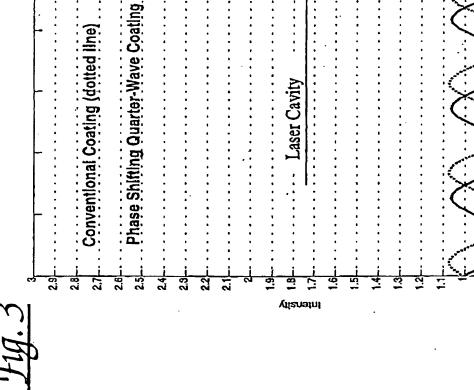
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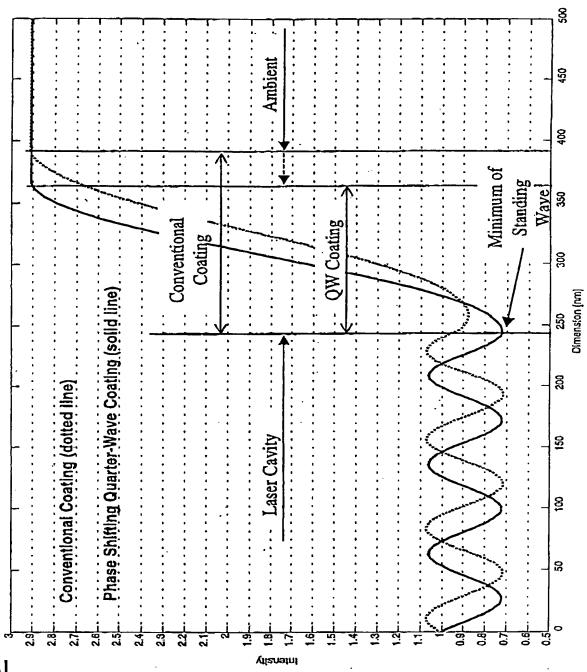
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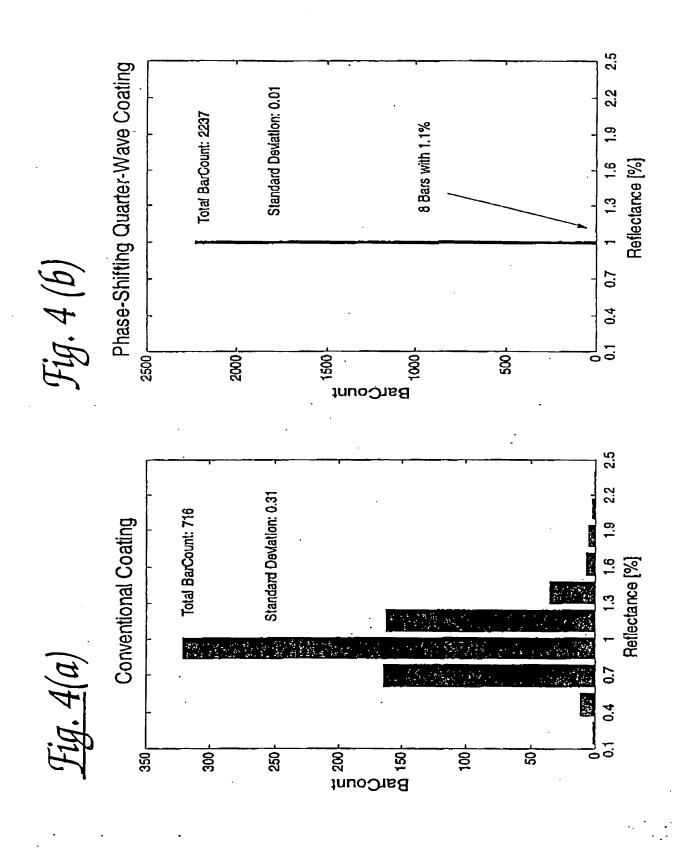
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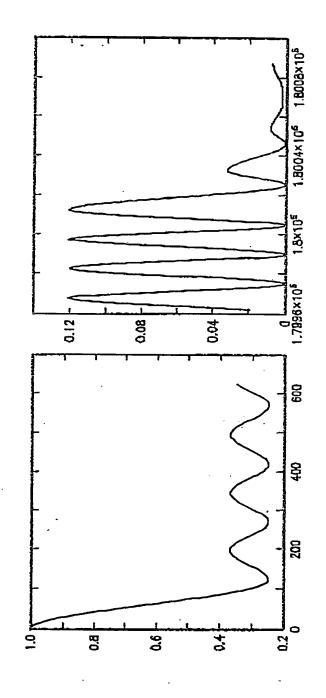




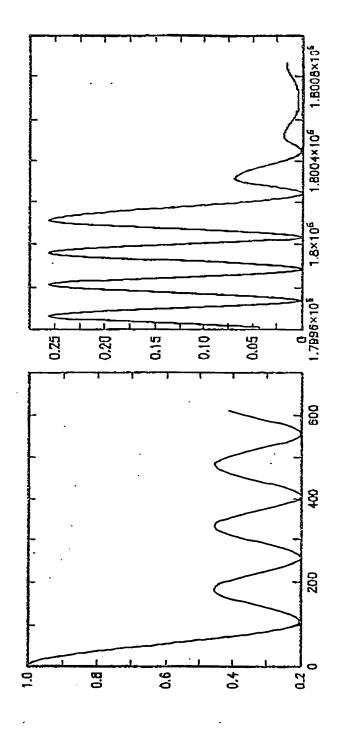




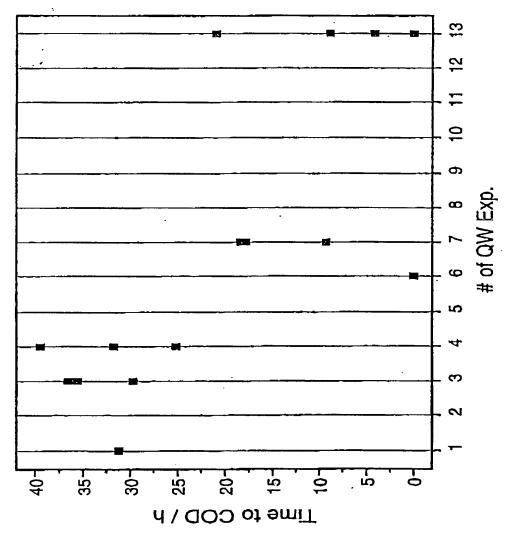




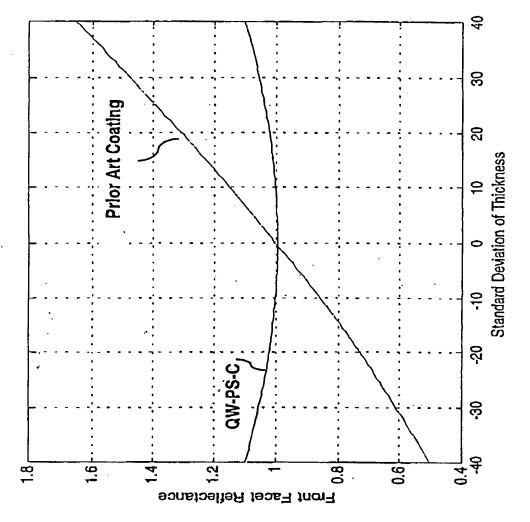
Phase Shifting Quarter Wave Coating with a 1 % Reflectance



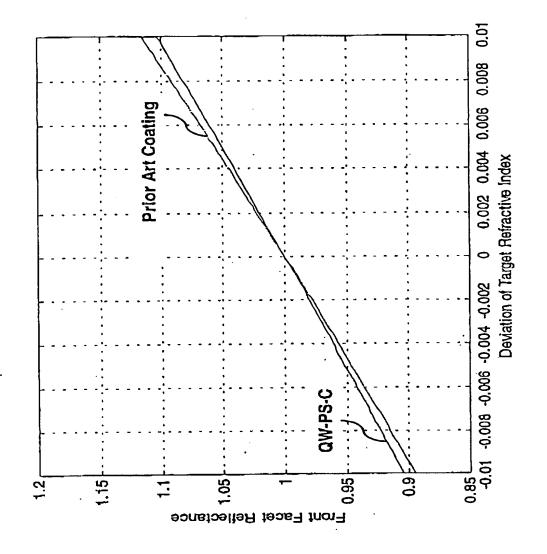
Phase Shiffing Quarter Wave Coating with a 4 % Reflectance



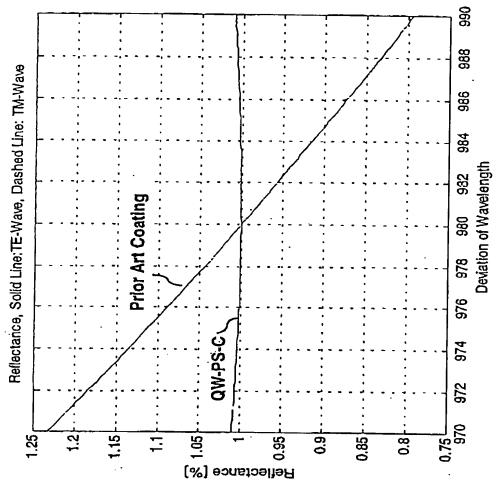
Time to COD vs. # of QW Exp



Dependence of reflectance on thickness variation



Dependence of Reflectance on index variation



Dependence of reflectance on wavelength variation

Process parameters

Reflectivity	Reflectivity index of refraction Subst	ल	Pressure	Plasma Power	nitrogen flux	ammonia flux	silane flux(*)
8	n	/s (°C)	T (Torr)	L plasma (W) n	n pvzj (sccm)	п риназ (sccm)	n (SiH4) (SCCM)
0.05%	1,86	300	1.4	25	35	18	236
1%	2.01	300	1.4	25	35	13	403
4%	2.23	300	1.4	25	35	8.5	491
1%(**)	1.83	300	1.4	20	330	11.2	300

(*) precursor gas of 2% SiH4 diluted in Helium (**) conventional non- $\lambda/4$ coating

